State of California The Resources Agency DEPARTMENT OF WATER RESOURCES DIVISION OF SAFETY OF DAMS

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of days One	orrillo Dom Dom No. 1 49	County But to				
Name of dam Eart		County Butte				
Type of dam Earthfill Type of Spillway Gated Concrete Weir and Chute Water is feet below spillway crest and feet below dam crest.						
W.S. 768.86 feet						
	Weather Conditions Mild and partly cloudy					
	vin Dossey and Lee August, OFD; David Pane					
	John Rizzardo,O&M. Also met with DWR photographer Paul Hames					
Reason for inspection Periodic Evaluation						
Important Observations, Recommendations or Actions Taken						
No recommendations.						
<u>Conclusions</u> From the known information and the visual inspection, the dam, reservoir,						
	urtenances are judged satisfactory for con					
completion of radial gate repairs. Wy 5/7/05						
Item No.*	Item Name and Observation and Comment					
2002111100						
A1-A4	Dam - The crest roadway was in good condition. The upstream concrete curb has prevented further erosion of the edge of the					
	crest. Vegetation and rodent control on the dam are very good.					
	The upstream slope was observed from the crest, and during a walk across the 815 berm. The rock slope remains in					
	satisfactory condition. Rock does appear to have migrated down					
	the slope in some areas above the berm.					
	been painted and are monitored for indic					
	movement. None has been observed.					
	m)					
	The downstream slope was even and covered with grass and weeds.					
	The usual damp area at mid-height on the left side of the dam was lush, with tall grass and weeds.					
	was rush, wrom tarr grass and weeds.					
	The left groin was traversed from the toe, and found to be					
	clear of vegetation. No signs of instability or seepage were					
	observed. The right groin was observed from several locations					
	but not traversed. No signs of instability or seepage were					
	observed.					
The right grout gallery was entered from the top. The first						
	seepage was observed at elevation 755. Seepage increased					
	steadily to about 13 gpm at the sump level. Nothing unusual					
	was observed. O&M is considering what to do about the					
	accumulation of calcite along the gallery walls. These					
	deposits have caused a buildup along the utility conduits and					
·	ground cables.					
The left gallery was traversed from the sump to the emergency						
The left gallery was traversed from the sump to the emergency exit tunnel. This portion of the gallery appeared to be in						
	•					
Typed by wmp	Use Field Sheet Standard	Inspected by WPenning for				
Date 3/7/		Date of Inspection 2/8/05				
cc for Book/Owner (Sec Reverse Side) Date of Report 3/1/05						
DMP 1261 Joub) //	2/17/09) Page 1	Photostaken? YesNoX				

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of Dam Oroville Dam No Date of Inspection 2/8/05 **Observations and Comments (Continued)** Item No.* Item Name and Observation and Comment satisfactory condition. The seepage at the sump level was about 11 gpm, which is normal. The access gallery was traversed to Terminal S, and was found to be in satisfactory condition. O&M is looking for a better way to measure the turbidity of the seepage coming from the tubing bundle at Terminal S. Seepage flow from the tubing bundle appeared to be normal. Bidwell Canyon Saddle Dam, Parish Camp Saddle Dam - Bidwell Canyon Saddle Dam appeared to be in good condition. No indications of slope instability, significant rodent activity, or objectionable vegetation were observed. Parrish Camp Saddle Dam was not inspected because the reservoir was well below the Palermo Tunnel - The tunnel was not in operation, and was not entered. 6,8,10 Spillway -The spillway chute and walls were observed from the roadway deck, and from the walkway at the trunnion level. Nothing unusual was observed. The flood control outlet structure, radial gates, and mechanical equipment appeared to be in satisfactory condition. No new spalling has occurred along the left or right bridge abutments. The reservoir was well below the emergency spillway weir, which remains in good condition. No concrete deterioration was observed. 14,16 Outlet - The valves are cycled every year. The valves and valve vault were in satisfactory condition. The spherical valve pit was somewhat drier than usual. The heaters were on at the time. 17 Seepage - Total gallery seepage was about 13 gpm from the right, and about 11 gpm from the left. These flows are within the normal range. The seepage weir at the toe of the dam was just trickling over the v-notch, and flowing through the orifice plate. Seepage is exceptionally low for a dam of this size. Seepage at Terminal S was as expected. House T was not inspected. OFD plans to install additional weirs along the gallery floor drains to minimize the need to take measurements at individual drain locations and cracks. Unexpected changes at the weirs Sheet 2 of 3 Sheets Author/Typist WMP/wmp

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of Dam _ C	Droville	Dam No	1-48		
OI #	10	10	Date of Inspection 2/8/05		
Observations and Comments (Continued)					
Item No.*	Item Name and Obser	rvation and Comment			
	Seepage - will p sources upstream	orompt the reader to invest of the weir.	tigate individual		
18	Instrumentation frequency are de dated August 200	- The instrumentation pro etailed in Table 2 of Perf 04.	gram and monitoring ormance Report No. 11,		
		neters: Of 56 units, only These are read weekly. C			
	Embankment settlement and horizontal movement: The recent movement data appears to be consistent with historical trends, and indicates that the main dam and saddle dams are stable.				
		nd Joint Monitoring: Defo			
Author/Typist	WMP/wmp	Sheet	3 of 3 Sheets		